

# Converting Colors

$Y_{xy}(54.7320, 0.2909, 0.2995)$

Have a look what the booklet for  
Yxy(54.7320, 0.2909, 0.2995)  
contains.

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# Color

**Yxy(54.9635, 0.2911, 0.3002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC3DB
RGB	189, 195, 219
RGB Percent	74%, 76%, 86%
CMY	0.2586, 0.2353, 0.1411
CMYK	0.14, 0.11, 0.00, 0.14
HSL	228°, 29%, 80%
HSV	228°, 14%, 86%
XYZ	53.2974, 54.9635, 74.8287
YIQ	195.9420, -11.2800, 6.1920

# Conversions

## Conversions Part 2

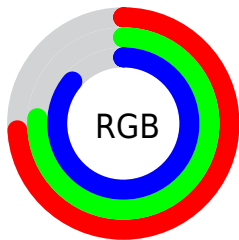
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 194, 219
Decimal	12436443
CIE Lab	79.02, 2.74, -12.67
CIE LCh	79, 12.960, 282.214
Yxy	54.9635, 0.2911, 0.3002
Android (android.graphics.Color)	4290626523 (0xFFBDC3DB)
YUV	195.9420, 11.3676, -6.0881
Hunter-Lab	74.1374, -1.4167, -7.9467

# Details

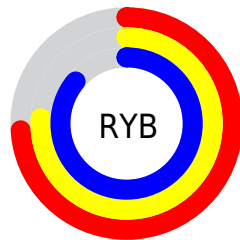
The Yxy color **54.9635, 0.2911, 0.3002** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3644, 0.3340, 0.3562**, and the grayscale version is **55.1064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2533, 0.3066, 0.3261**, and **26.8810, 0.2849, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **44.9616, 0.2736, 0.2760**, and if you desaturate by 10%, it is **66.3181, 0.3072, 0.3217**.

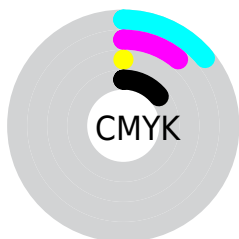
# Distribution



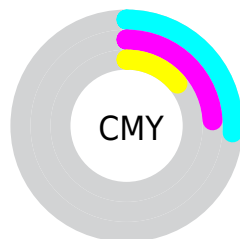
- Red (74%)
- Green (76%)
- Blue (86%)



- Red (74%)
- Yellow (76%)
- Blue (86%)



- Cyan (14%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)



- Cyan (26%)
- Magenta (24%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9635, 0.2911, 0.3002 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 54.9635, 0.2911, 0.3002 by changing the saturation by 10% instead.



■ 54.9635, 0.2911,  
0.3002

■ 54.9635, 0.2911,  
0.3002

405.7736, 0.3016,  
0.3141

■ 39.3725, 0.2886,  
0.2969

■ 97.4875, 0.2948,  
0.3051

■ 27.0496, 0.2854,  
0.2927

125.1892, 0.2963,  
0.3070

■ 17.6105, 0.2812,  
0.2874

157.6967, 0.2975,  
0.3086

■ 10.6707, 0.2756,  
0.2801

195.3943, 0.2985,  
0.3100

■ 5.8459, 0.2676,  
0.2699

238.6664, 0.2994,  
0.3112

■ 2.7516, 0.2552,  
0.2544

287.8973, 0.3003,

■ 1.0035, 0.2339,

0.3123

0.2282

343.4716, 0.3010,  
0.3132

0.0000, 0.0000,  
0.0000

54.9635, 0.2911,  
0.3002

54.9635, 0.2911,  
0.3002

44.9616, 0.2736,  
0.2760

66.3181, 0.3072,  
0.3217

36.2548, 0.2549,  
0.2494

79.0667, 0.3217,  
0.3407

28.7913, 0.2355,  
0.2206

93.2572, 0.3348,  
0.3572

22.5131, 0.2161,  
0.1907

97.8954, 0.3339,  
0.3641

17.3575, 0.1977,  
0.1608

■ 13.2557, 0.1813,  
0.1325

■ 10.1309, 0.1682,  
0.1076

■ 7.8947, 0.1590,  
0.0877

■ 6.8748, 0.1550,  
0.0780

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9635, 0.2817, 0.3052



54.9635, 0.2911, 0.3002



54.9635, 0.3064, 0.3027

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



54.9635, 0.2911, 0.3002



54.9635, 0.3462, 0.3398



54.9635, 0.3012, 0.3474

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



54.9635, 0.2911, 0.3002



66.3644, 0.3340, 0.3562

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.9635, 0.3183, 0.3572



54.9635, 0.2911, 0.3002



54.9635, 0.3446, 0.3522

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.9635, 0.2911, 0.3002



54.9635, 0.3385, 0.3250



54.9635, 0.3343, 0.3588



54.9635, 0.2874, 0.3323



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.9635, 0.2911, 0.3002



54.9635, 0.3181, 0.3080



54.9635, 0.3343, 0.3588



54.9635, 0.3067, 0.3514

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



54.9658, 0.2911, 0.3002



93.0097, 0.3066, 0.3210



66.3020, 0.2957, 0.3360



19.6342, 0.3055, 0.3195



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.9658, 0.2911, 0.3002



73.9436, 0.2869, 0.2945



53.5414, 0.2978, 0.2936



13.0332, 0.2981, 0.3097



4.1989, 0.1556, 0.0800



0.3941, 0.1637, 0.1094



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55.4175, 0.3330, 0.3222



74.7440, 0.3373, 0.3209



68.0535, 0.3264, 0.3634



13.0935, 0.3261, 0.3244



9.0476, 0.6069, 0.3117

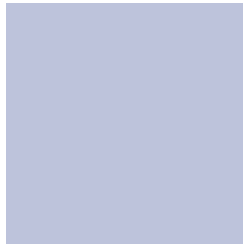


0.5985, 0.5620, 0.2869



# Previews

## White Background



This preview shows how the Yxy color 54.9635, 0.2911, 0.3002 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

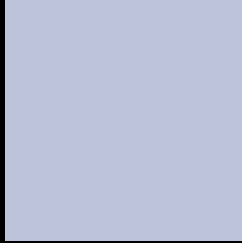
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9635, 0.2911, 0.3002 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

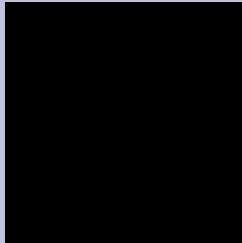
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9635, 0.2911, 0.3002**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9635, 0.2911, 0.3002.

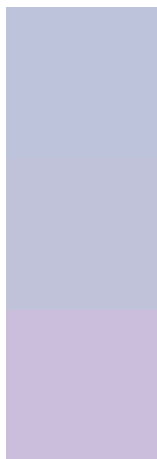


This preview shows how white text looks on a background with the Yxy color 54.9635, 0.2911, 0.3002.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

54.9635, 0.2911, 0.3002

### Protanopia

54.8520, 0.2940, 0.3004

### Deuteranopia

54.6907, 0.3009, 0.2941



## Tritanopia

54.9247, 0.2951, 0.3096

# Trichromacy



## Original Color

54.9635, 0.2911, 0.3002

## Protanomaly

54.7219, 0.2932, 0.3003

## Deuteranomaly

54.8723, 0.2971, 0.2961

## Tritanomaly

55.0775, 0.2931, 0.3060

# Monochromacy



## Original Color

54.9635, 0.2911, 0.3002

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.1769, 0.3046, 0.3193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9635, 0.2911, 0.3002 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 195, 219)` looks like.

```
.text, #text, p{  
    color:rgb(189, 195, 219)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 195, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 195, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9635, 0.2911, 0.3002 is called "border". The border property can be set on classes, ids or directly on the HTML element.

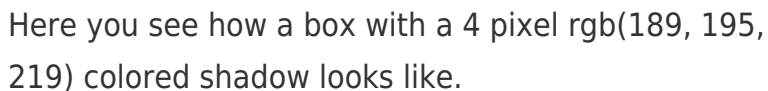
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 195, 219) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(189, 195, 219) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(189, 195, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 195, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 195, 219); box-shadow:4px 4px 4px 4px rgb(189, 195, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9635, 0.2911, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 195, 219) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189,  
195, 219) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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